



U.S. Application No. 10/527,646
Reply to Office Action of September 26, 2006
Amendment dated February 26, 2007

Amendments to the Claims:

This Listing of Claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An isolated protein comprising ~~the~~ an amino acid sequence selected from the group consisting of SEQ ID NOs: 1 to 12 or an amino acid sequence having at least about 95% sequence identity thereto, wherein mutations in the sequences having at least about 95% sequence identity are located in a sequence portion selected from the group consisting of:

a) the N-terminal fragment of 330 amino acids or less, including the catalytic region, and

b) the C-terminal fragment of 413 amino acids or less, including a regulatory domain, and

wherein the protein is a neuronally active fragment thereof.

2. (Currently Amended) The protein according to claim 1, which comprises at least one fragment of said amino acid sequences having one N-terminal, C-~~terminal~~ terminal and/or internal deletion.

Claims 3-20 (cancelled).

21. (Previously presented) A pharmaceutical composition for the treatment of neuronal injuries or diseases comprising a protein according to claim 1 and if needed suitable auxiliary substances and/or additives.

Claims 22-29. (Cancelled).

30. (Withdrawn) A method of diagnosing a disease or disease state using the protein of claim 1 as a diagnostic marker comprising the step of detecting the presence, the absence, or the amount of the protein of claim 1 by RT-PCR and Northern blot immunological methods.

31. (Withdrawn) The method of claims 30 wherein said disease is a neuronal disease, a tumor disease or infertility.

32. (Withdrawn) A method of diagnosing a disease or disease state using the protein of claim 1 as a diagnostic marker comprising the step of detecting the presence, the absence, or the amount of nucleic acid of claim 3 by in situ immunofluorescence or in situ Northern blots.

33. (Withdrawn) The method of claim 32 wherein said disease is neuronal disease, a tumor disease or infertility.